

# COMPACT DISC COMPACT PLAYER

## Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

**WARNING : TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE. TO AVOID ELECTRICAL SHOCK, DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

## CAUTION

The use of optical instruments with this product will increase eye hazard.

### INFORMATION (For the customers in USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet that is on a circuit different from the one the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

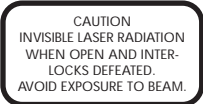
### For the Customer in the United Kingdom and / European countries

This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS LASER PRODUCT label is located on the bottom exterior.



### For the Customers in Canada

This apparatus complies with the Class B limits for radio noise emissions set out in radio interference regulations. This product contains a low power laser device.



## PRECAUTION

### On safety

As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only. Do not put any foreign objects in the safety slot inside the disc compartment. If you do so, the laser beam may come out when the lid is opened. Do not put any foreign objects in the DC in 6V (external power input) jack. Should any solid objects or liquid fall into the unit, disconnect the power supply and have the unit checked by qualified personnel before operating it any further.

### On operation

Since the CD system offers a wide dynamic range, the peaks of the high level inputs are recorded with high fidelity, and the noise level is very low. Do not turn up the volume while listening to a part of the disc with no audio signals or very low level inputs. If you do, the speakers may be damaged when the peak level of the sound is played. The lens on the disc table should be kept clean. Do not touch the lens or poke at it. If you do, the lens may be damaged and the unit will not operate properly.

### On installation

Never install the unit where it would be subjected to :

- heat sources such as radiators or airducts
- direct sunlight
- excessive dust
- moisture or rain
- mechanical vibration or shock
- unlevelled surface
- Do not place any heavy object on top of the unit.
- When the unit is used with an AC power adaptor, do not wrap the unit in a cloth, blanket, etc. If you do, the temperature inside and outside the unit may rise considerably, resulting in malfunctioning of the unit or serious accident.
- If the unit brought directly from a cold to warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit. Should this occur, the unit will not operate. In this case, remove the disc and leave the unit a warm place for several hours until the moisture evaporates.
- For the unit to operate at its best, it should not be subjected to temperature below 5°C (41°F) or above 35°C (95°F).

### Notes on headphones / earphone

Do not use headphones / earphone while driving, cycling, or operating any motorized vehicle, it may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use. Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you. If you have any questions or problems concerning your unit, please consult your nearest dealer.

## POWER SOURCES

### Using with batteries

Insert two size "AA" batteries (LR6 or SUM-3 alkaline) according to the "⊕" and "⊖" marks correctly aligned.

### Notes on batteries

- Insert batteries with correct polarity.
- Do not use old batteries together with new ones or different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated parts in the battery compartment with a cloth and replace the old batteries with new ones.
- When the unit is not to be used for a long period of time, remove the batteries.
- Do not mix old new batteries.
- Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.

### Notes on "⊖" "

- During playback (batteries are in use), "⊖" is off.
- When the battery voltage level is low, "⊖" will light for approx. 10 ~ 15 minutes, playback still continues in this period.
- Playback would automatically come to a stop when the batteries have no more power. Do not repeat pressing "▶⏮" as the unit may operate incorrectly. Replace all the batteries with new ones.
- "⊖" would not be on if an AC adaptor is used.

### Using on house current

If the unit you purchased does not include an AC power adaptor, please use a 6V 350mA AC power adaptor. Plus pole "⊕" to the centre pin of the 3.5mm socket. When the unit is not be used, be sure to disconnect the AC power adaptor.

## FUNCTION OF CONTROLS

OPEN ▶	Opening the CD tray to insert or remove a disc.	⏮	⏮ SKIP + Press ▶⏮ lightly / repeatedly : To locate the beginning of next selection / selections. Keep ▶⏮ depressed : To go ahead at high speed (search).
▶⏮	▶⏮ PLAY / PAUSE Press ▶⏮ to begin play. Press ▶⏮ during play to pause. To release pause, press ▶⏮ again.	PROG	PROG (Program) Playing the selections in the desired order.
□	STOP □ Press once for disc playing stops. Press twice for power off.	PLAY MODE	PLAY MODE Button for selecting the various play mode.
⏮	Track search and fast forward / fast reverse. - SKIP ⏮ Press ⏮ lightly / repeatedly : To locate the beginning of the current selection or previous selections. Keep ⏮ depressed : To go back at high speed (search).	DC IN 6V ⊕⊖ PHONES	Main socket  Phones jack For connecting the headphones / earphones.
		VOL ▶	VOL (Volume) Adjust the volume.

## DISC PLAYING

1. Open the CD tray with the "OPEN" button.
2. Insert the CD with the printed side facing upwards and push the disc gently unit it clicks so that the disc fits into the pivot.
3. Press the CD door to close.

### On display windows

When you press "▶⏮", the display window shows :



Total number of tracks.

First track playing begins.

### During play

The track number of the current selection appears. When "□" is press during play, total number of tracks on the disc will be displayed and the unit still on. If "□" is pressed again the unit will be returned to full stop mode. If "▶⏮" is pressed the unit returns to play mode. The unit will be returned to full stop mode automatically after approximately 30 seconds if no button is played again within 30 seconds.

### During pause

The playing track number will flashes.





Pause mode of the second track.

When no disc is inserted onto the player and when "▶⏮" is pressed, the display window shows "E".

The unit cannot be operated when error message is displayed. After approx. 30 seconds the unit will return to full stop mode, or reset the player by pressing "□" once and then insert a disc start playing.




## VARIOUS PLAYING MODES

During playback, every time the “**PLAY MODE**” key is pressed, the mode would be changed to the next one as follow :


**NORMAL PLAY** -> “  ONE ” (REPEAT ONE) -> “  ALL ” (REPEAT ALL) -> INTRO -> **SHUFFLE(RANDOM)**

**NORMAL PLAY** - Playing the whole disc.  
The CD is played once from beginning to end.

### REPEAT PLAYBACK (Repeat One and Repeat All)

- To repeat the same track.  
Press “**PLAY MODE**” during play until “  ONE ” appears in the display window. Select desired track to be played only once by pressing “  ” or “  ”.




- To repeat the whole disc.  
Press “**PLAY MODE**” during play until “  ALL ” appears in the display window.




### INTRO PLAY - Playing the first about ten seconds of all the selections:

- Press “**PLAY MODE**” during play until “**INTRO**” flashes in the display windows.



- Press “  ” to begin the “**INTRO**” play.




- Pressing “  ” again will cease the “**INTRO**” play and continue playback in the **NORMAL** play mode.
  - “**INTRO**” play always starts from the first track.



### SHUFFLE PLAY - Playing the selections in random order


- Press “**PLAY MODE**” during play until “**SHUFF**” flashes in the display window.





- Press “  ” to begin in the “**SHUFFLE**” play.
  - To locate the next track : press “  ”. However, you cannot locate a previous track even if you keep “  ” pressed.




### PROG (Program) play - Playing the selections in the desired order

- Press “**PROG**” button until “**PROG**” and “  ” flash in the display window.



- Press “  ” or “  ” to select the desired selection.



- Press “**PROG**” to register track no. 4 for example, as the first selection. The track no. indication will be returned to “  ”.




- Repeat step 2 and 3.


- Press “  ”, “**PROG**” stops flashing and program play starts.





### NOTES:

- Repeat play and “**INTRO**” play can be performed during program play.
- The program is also erased when the disc compartment is opened or the auto power off function turns the power off.
- If the program mode is exited by means of the “  ” key, all the program would still remain in memory.

### Program edition


To check : Press “**PROG**” lightly during programming before you press “  ” each time “**PROG**” is pressed the track number appears in the display window.

To change: When checking press either “  ” or “  ” to alter track number for the program currently displayed. Press “**PROG**” to register the newly selected track into memory.

To erase : When open the CD door including that program will be cancelled.


## DIGITAL ANTI-SHOCK SYSTEM

The **DIGITAL ANTI-SHOCK SYSTEM** incorporates a special electronic circuit that prevent sound from skipping when the unit is subjected to shocks and vibration during play.

When you start playback, the anti-shock system automatically turn on and “  ” indicator appears in the display to prevent sound skipping.

When the unit receives a physical shock which prevents the laser pick-up from “reading” the CD, this system immediately starts playing the sound stored in its memory and continuous until the laser pick-up recovers.

If the unit is subjected to continuous shocks and all the data stored in memory is used up the sound will skip.

If the vibration stops then the data memory will be restored. If continuous vibration is applied when the data memory is empty, an error message “ $\text{E}_r$ ” will be displayed. To reset the CD player press “  ” once.

## MAINTENANCE

### Cleaning the unit

Do not use volatile chemicals on this unit. Clean by lightly wiping with a soft cloth.

### Cleaning CD

If the CD skips or will not play, the disc may need to be cleaned. Before playing, wipe the disc in a circular motion from the centre out with a cleaning cloth. After playing, store the disc in its case.

### Handling the disc

Only touch the CD on the edge to avoid finger prints on its surface. Do not stick paper or tape nor write anything on the surface.

## TROUBLE SHOOTING GUIDE

Should and problem persist after you have made the following checks, consult your nearest service facility.

### Disc play does not start :

- The disc is inserted upside down or incorrectly. Insert the disc correctly with the label surface up
- Dusty or defective disc
- Dirty or dusty lens
- The disc compartment lid is not close
- Moisture condensation -> Leave the unit in a warm place until the moisture evaporates
- The AC power adaptor is not plugged into the wall outlet
- The unit is not placed on a level surface
- Weak batteries

### No sound from the headsets :

- The headphones / earphone plug is not firmly connected to the “**PHONES**” jack
- Adjust the “**VOL**” control
- Dirty plug

### No sound from the connected speakers :

- Check the connections
- The amplifier is not turned on


### Skipping of sound :

- Dirty or defective disc
- Dirty lens
- Strong vibration

### When using with batteries the battery life is short :


- Manganese batteries are used. Use alkaline batteries.

### Display windows shows “ $\text{E}_r$ ” error message and the unit cannot be operated :

- No disc, dirty disc or scratched disc. The unit will return to full stop mode after approx. 30 seconds, or reset the player by pressing “  ” once and then insert a disc to start playing.

## SPECIFICATIONS

### General

Output (at 1KHz 0db level)	Headphones / earphone (stereo minijack) 15 mW + 15mW at 16 $\Omega$ to 32 $\Omega$		
Power requirements	2 size “AA” (LR6 or SUM-3) alkaline batteries; or DC in 6V, 350mA power adaptor  Polarity of plug 		
Dimensions	Approx. 129 x 30 x 142mm (W/H/D)		
Weight	Approx. 225g (not include batteries)		
Operating voltage	<b>U.S.A., CANADA</b> : 120V AC $\pm$ 5% 60 Hz <b>MIDDLE EAST and AUSTRALIA</b> : 240V AC $\pm$ 5% 50 Hz <b>UK and GERMANY</b> : 230V AC $\pm$ 5% 50 Hz <b>CHILE</b> : 230V AC $\pm$ 5% 50 Hz <b>SINGAPORE, MALAYSIA &amp; THAILAND</b> : 200 - 240V AC $\pm$ 5% 50 Hz <b>JAPAN</b> : 100V AC $\pm$ 5% 50/60 Hz		

Design and specifications are subject to change without notice.